WHAT IS CLAIMED IS:

1	1.	A transgenic, non-human mammal in which the suppression of expression of			
2	an endogenou	s LKB1 gene can be induced.			
1	2.	The transgenic, non-human mammal of claim 1, wherein the suppression of			
2	expression of	on of the endogenous LKB1 gene is induced by deleting at least a part of the LKB1			
3	gene or a regu	alatory region thereof.			
1	3.	The transgenic, non-human mammal of claim 1, wherein at least a part of the			
2	LKB1 gene of	LKB1 gene or a regulatory region thereof in the genome of the transgenic mammal is			
3	inserted between a pair of loxP sequences.				
1	4.	The transgenic non-human mammal of claim 1, wherein the mammal is a			
2	rodent.				
1	5.	The transgenic non-human mammal of claim 2, wherein the mammal is a			
2	rodent.				
‡ 1	6.	The transgenic non-human mammal of claim 3, wherein the mammal is a			
2	rodent.	\mathcal{H}			
1	7.	The transgenic non-human mammal of claim 4, wherein the rodent is a mouse			
1	8.	The transgenic non-human mammal of claim 5, wherein the rodent is a mouse			
1	9.	The transgenic non-human mammal of claim 6, wherein the rodent is a mouse			
1	10.	A transgenic, non-human mammal wherein the expression of an endogenous			
2	LKB1 gene is	s inducibly suppressed.			
1	11.	The transgenic, non-human mammal of claim 10, wherein the expression of			
2	the endogeno	the endogenous LKB1 gene is suppressed by a defect in at least a part of the LKB1 gene or a			
3	regulatory reg	regulatory region thereof.			

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- The transgenic, non-human mammal of claim 10, wherein the mammal is a 12. 1 rodent. 2 The transgenic, non-human mammal of claim 11, wherein the mammal is a 13. 1 rodent. 2 14. The transgenic, non-human mammal of claim 12, wherein the rodent is a 1 2 mouse. The transgenic, non-human mammal of claim 13, wherein the rodent is a 15. 1 2 mouse. 1
 - 16. A transgenic, non-human mammalian cell, in which suppression of the expression of an LKB1 gene can be induced and wherein the cell can be differentiated into an individual mammal.
 - 17. The cell of claim 16, wherein suppression of the expression of the LKB1 gene is induced by deleting at least a part of the LKB1 gene or a regulatory region thereof.
 - 18. The cell of claim 16, wherein at least a part of the LKB1 gene or a regulatory region thereof in the genome of the cell is inserted between a pair of loxP sequences.
 - 19. The cell of claim 17, wherein at least a part of the LKB1 gene or a regulatory region thereof in the genome of the cell is inserted between a pair of loxP sequences.
 - 20. The cell of claim 18, wherein the cell comprises a Cre gene operably linked to a nucleotide sequence that directs expression of the Cre gene.
 - 21. The cell of claim 19, wherein the cell comprises a Cre gene operably linked to a nucleotide sequence that directs expression of the Cre gene.
 - 22. The cell of claim 16, wherein the cell is a rodent cell.
 - The cell of claim 18, wherein the cell is a rodent cell. 23.

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24. The cell of claim 20, wherein the cell is a rodent cell. 1 25. The cell of claim 22, wherein the cell is a mouse cell. 1 1 26. The cell of claim 23, wherein the cell is a mouse cell. 27. The cell of claim 24, wherein the cell is a mouse cell. 1 28. The cell of claim 16, wherein the cell is an embryonic stem cell. 1 29. The cell of claim 17, wherein the cell is an embryonic stem cell. 1 30. The cell of claim 18, wherein the cell is an embryonic stem cell. 1 31. The cell of claim 20, wherein the cell is an embryonic stem cell. 1 32. The cell of claim 22, wherein the cell is an embryonic stem cell. 1 33. The cell of claim 25, wherein the cell is an embryonic stem cell. 1 34. A transgenic, non-human mammalian cell, in which the expression of an 1 2 LKB1 gene is inducibly suppressed and wherein the cell can be differentiated into an 3 individual mammal. The cell of claim 34, wherein the expression of the LKB1 gene is suppressed 1 35. by a defect in at least a part of the LKB1 gene or a regulatory region thereof. 2 36. The cell of claim 16, wherein at least a part of the LKB1 gene or a regulatory 1 region thereof in the genome of the cell is inserted between a pair of loxP sequences. 2 37. A transgenic, non-human mammalian cell, produced by the process of 1 expressing a Cre gene in the cell of claim 18. 2 1 38. The cell of claim 34, wherein the cell is a rodent cell.

The cell of claim 35, wherein the cell is a rodent cell.

The cell of claim 36, wherein the cell is a rodent cell.

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pseudopregnant female.

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1	52.	A method for creating a non-human mammal, comprising the following steps:		
2		(a)	providing a fertilized egg or embryo from the non-human mammal of	
3	claim 3;			
4		(b)	introducing the Cre gene into the fertilized egg or embryo;	
5		(c)	expressing the Cre gene in the fertilized egg or embryo; and	
6		(d)	transplanting the fertilized egg or embryo into the uterus of a non-	
7	human pseud	pseudopregnant female.		

- 53. A method for creating a non-human mammal, comprising the steps of: introducing a Cre gene into the non-human mammal of claim 3; and expressing the Cre gene.
- 54. A method for creating a non-human mammal, comprising the steps of: mating the non-human mammal of claim 3 with a non-human mammal containing a Cre gene in its genome; and obtaining their offspring.